

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF BATTERY BACK-UP AT MD 2 AND COLLEGE PARKWAY. MD 2 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE FULL-TRAFFIC-ACTUATED MODE. THE MD 2 SOUTHBOUND LEFT TURNS OPERATE IN EXCLUSIVE PHASING. NORTHBOUND MD 2 HAS AN EMERGENCY PRE-EMPTION PHASE.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER WITH TELEMETRY CABLE HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN.

CONTACT PERSONS FOR DISTRICT #5 ARE AS FOLLOWS:

MS. KIMBERLY TRAN MR. JAMES FOLDEN
ASSISTANT DISTRICT ENGINEER-TRAFFIC ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 841-1019 (410) 841-1031

MR. JAMES MAYS
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 841-1013

CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. RICHARD L. DAFF, SR. MR. ROBERT SNYDER
CHIEF, TRAFFIC OPERATIONS ASSISTANT DIVISION CHIEF
DIVISION TRAFFIC OPERATIONS
PHONE: (410)787-7630 (410)787-7630

MR. ED RODENHIZER MR. EUGENE BAILEY
CHIEF, SIGNAL OPERATIONS CHIEF, SIGN OPERATIONS
(410)787-7650 (410)787-7676

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
9000	NEMA SIZE "S" CABINET WITH VIDEO INTERFACE, 2-4 CHANNEL LOOP DETECTOR AMPLIFIERS, AND SPECIAL RELAY PACKAGE	1	EA
9000	ASCI III CONTROLLER	1	EA
9000	UNINTERRUPTABLE POWER SUPPLY SYSTEM	1	EA

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
1001	MAINTENANCE OF TRAFFIC	1	EA
8024	REMOVE AND DISPOSE OF EQUIPMENT	1	EA
8033	DISCONNECT-PULLBACK AND REROUTE CABLES	1	EA
8038	F & I UP TO 4" SCHEDULE 80 PVC CONDUIT - TRENCHED	40	LF
8042	F & I No. 6 STRANDED BARE COPPER GROUND WIRE	60	LF
8045	F & I 1 CONDUCTOR CABLE No. 8 AWG	90	LF
8056	F & I ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	960	LF
8063	INSTALL CONTROLL AND CABINET - BASE MOUNT	1	EA

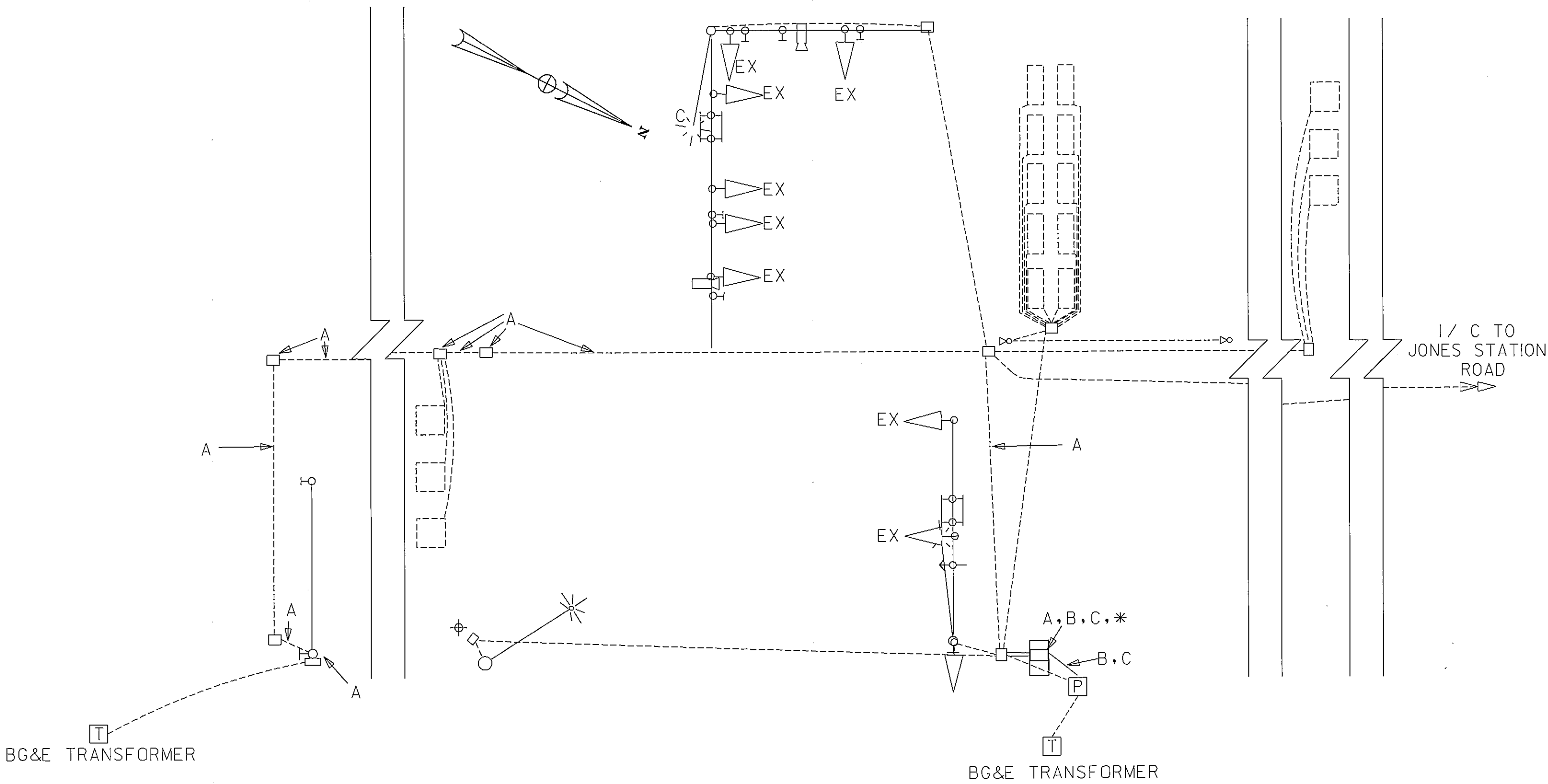
C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASING CHART

NO PHASE CHANGE

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
3. ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
4. UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
5. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.



WIRING KEY

- A. 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
B. ELECTRICAL CABLE 1-CONDUCTOR (NO. 8 AWG)
C. STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
* REROUTED SIGNAL CABLES.

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 2 AT COLLEGE PARKWAY
ARNOLD, MARYLAND

REVISIONS	GENERAL INFORMATION SHEET			
	SCALE NONE	DATE 11/20/2011	CONTRACT NO.	XY2245185
	DESIGNED BY FJA	COUNTY ANNE ARUNDEL		
	DRAWN BY FJA	LOGMILE 02000226.97		
	CHECKED BY	TMS NO. K961		
	FAP NO.	TOD NO.		
	TS NO. 573L-GI	DRAWING SP-2	OF 2	SHEET NO. 2 OF 2

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